Usable Interfaces presents

sensoNet

A low cost, arduino-based, open source sensor network enabler
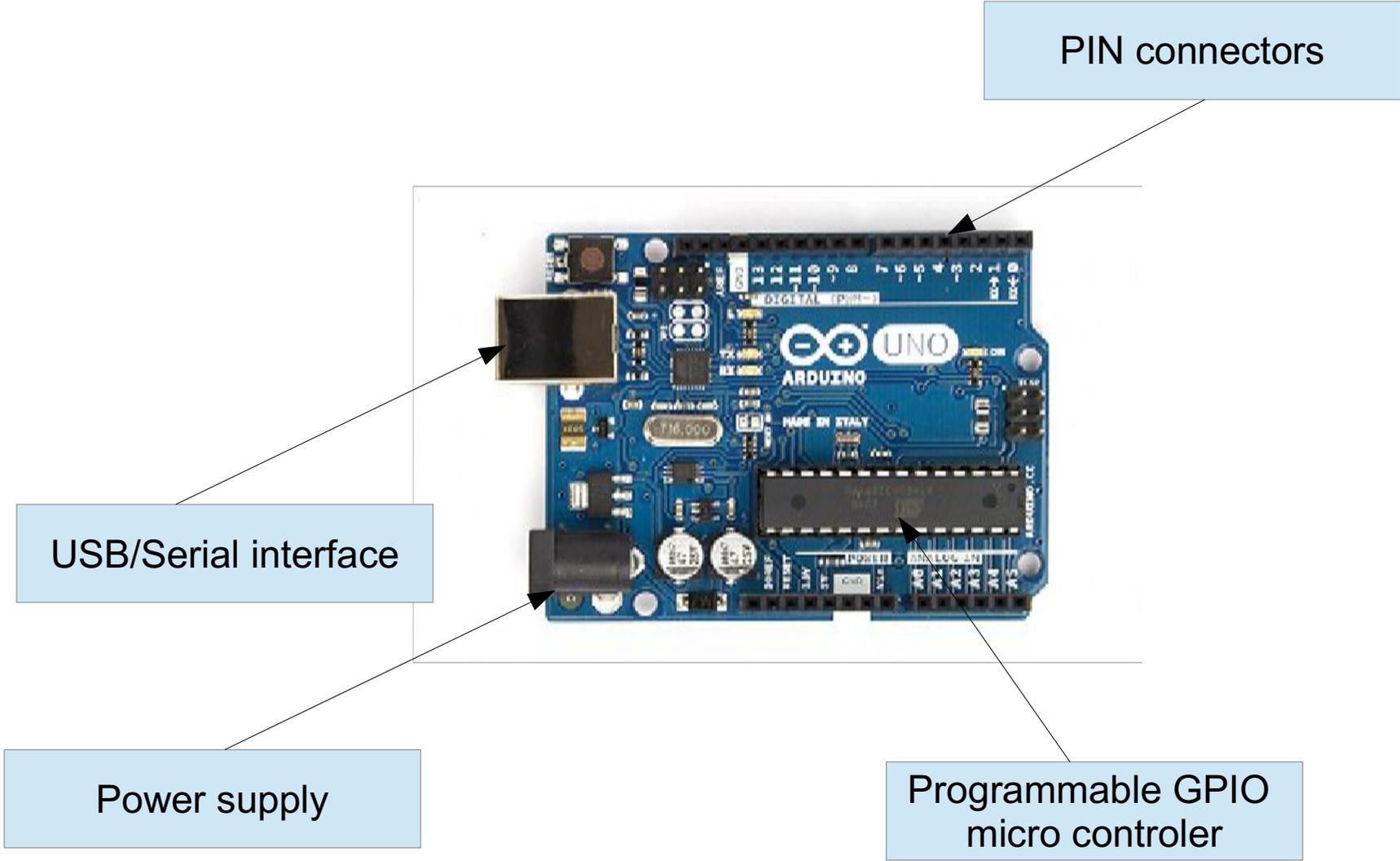
http://projects.emerginov.org/sensonet/

Powered by

B. HERARD - M. RICHOMME Orange Labs

Arduino?

PIN connectors

USB/Serial interface

Power supply

Programmable GPIO micro controler

Arduino?

Main Board

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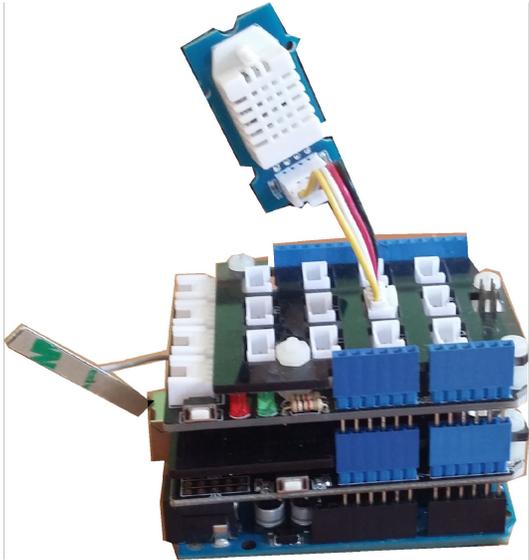Shields (extension cards)
Ex : GPRS, WiFi....

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Sensors and devices

+ C++
```
#include <iostream>
using namespace std;

int main(){
    cout<<"Hola Facebook\n";
    return 0;
}
```

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Prototype for
any object !

M2M developers, Fablabs (cf. BlueVia (Telefonica/Telenor) arduino initiative)

Entrepreneurs (home automation, m-agri, m-transport,..)

Prototyping & POC
Especially in Africa

A basic and easy-to-use M2M/IoT enabler

Adaptable connectivity :
- SMS : easy to deploy anywhere
- HTTP reactivity

Hardware for web developers

Unified management

An asset triggering other business (hosting/data storage)

Solar panels failure
detection and alerting
In africans schools

Environnental parameters
metrology
(temperature, hygrometry,
Light, water level)

Bee-hive monitoring

Connected christmas
garland

Contactless
Connected switch

Experimental
bus
tracking

Key points

SOA REST Framework
+ Messages protocol
+ Extendable Arduino library
+ Connected objects core management
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¿ Questions ?

See http://projects.emerginov.com/sensonet/